

ABSTRACT**EMITTER GEOLOCATION**

5 A method and means for correcting for refraction effects of the earth's
atmosphere in an emitter geolocation technique for locating an emitter of
electromagnetic waves by means of a plurality of receivers, including detecting
the times of arrival of electromagnetic waves at the receivers, computing the
relative time differences of arrival between the various receivers and estimating
10 therefrom the position of the emitter, and for correcting, by means of an iterative
procedure, the detected times of arrival for path length discrepancies caused by
refraction in the earth's atmosphere. The receivers are each mounted on a
respective airborne platform, and at least three pairs of said receivers are
provided.

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[Figure 2]